Bovine Beta-1, 4-galactosyltransferase 1 (B4GALT1) ELISA Kit | B4GALT1 elisa kit

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CATALOG #	REACTIVITY
AAA246030	**Bovine**

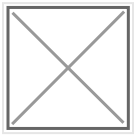
PRODUCT SYNONYMS

Beta-1; 4-galactosyltransferase 1 (B4GALT1); Bovine Beta-1; 4-galactosyltransferase 1 (B4GALT1) ELISA Kit; B4GALT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of B4GALT1. No significant cross-reactivity or interference between B4GALT1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between B4GALT1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for B4GALT1 elisa kit	Intended Uses: This B4GALT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine B4GALT1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: B4GALT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-B4GALT1 antibody and an B4GALT1-HRP conjugate. The assay sample and buffer are incubated together with B4GALT1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the B4GALT1 concentration since B4GALT1 from samples and B4GALT1-HRP conjugate compete for the anti-B4GALT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by B4GALT1 from the sample, fewer sites are left to bind B4GALT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The B4GALT1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for B4GALT1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	29135321
NCBI GeneID	281781
NCBI Accession #	NP_803478.1
NCBI GenBank Nucleotide #	NM_177512.2
Molecular Weight	43,484 Da
NCBI Official Full Name	beta-1,4-galactosyltransferase 1
NCBI Official Synonym Full Names	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1<
NCBI Official Symbol	B4GALT1
NCBI Official Synonym Symbols	GGTB2
NCBI Protein Information	beta-1,4-galactosyltransferase 1; b4Gal-T1; beta4Gal-T1; beta-1,4-GalTase 1; beta-galactosyltransferase 2 (glycoprotein); glycoprotein-4-beta-galactosyltransferase 2; UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1; UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1
UniProt Protein Name	Beta-1,4-galactosyltransferase 1
UniProt Gene Name	**B4GALT1**
UniProt Synonym Gene Names	GALT; GGTB2; Beta-1,4-GalTase 1; Beta4Gal-T1; b4Gal-T1
UniProt Entry Name	B4GT1_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/bovine-ovine-elisa-kits/beta-1-4-galactosyltransferase-1-b4galt1/246030